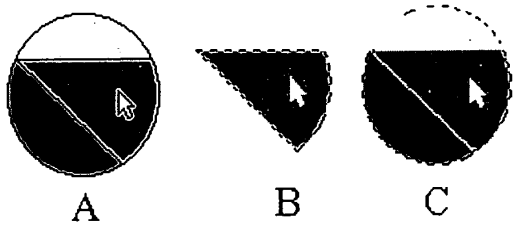

FIG. 1

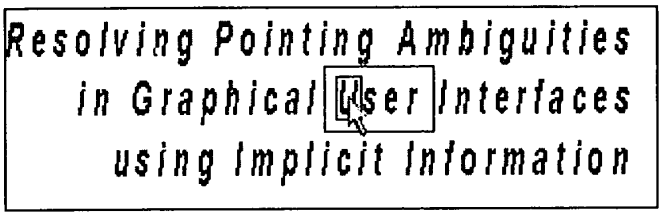

FIG. 2

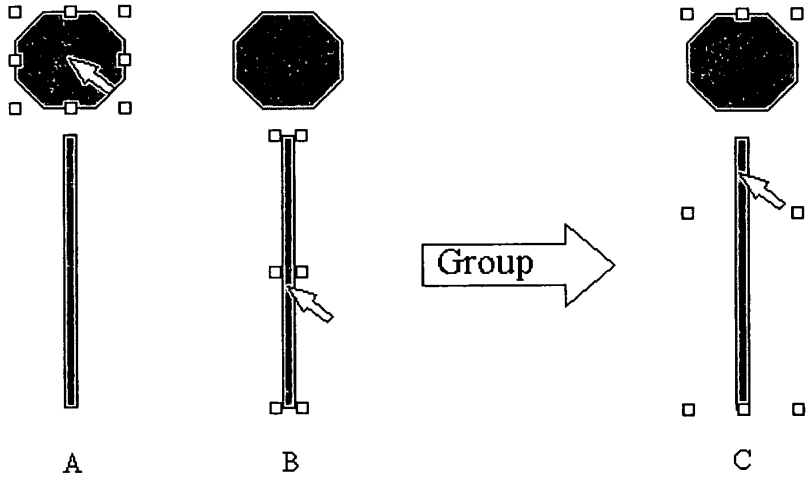

FIG. 3

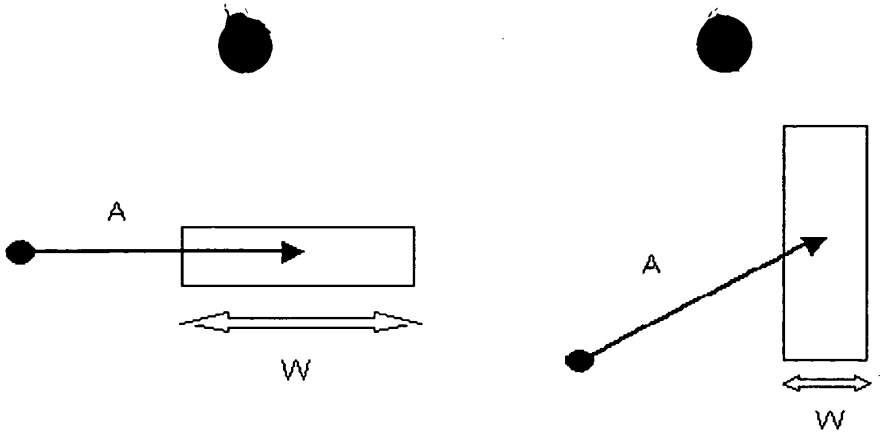

FIG. 4

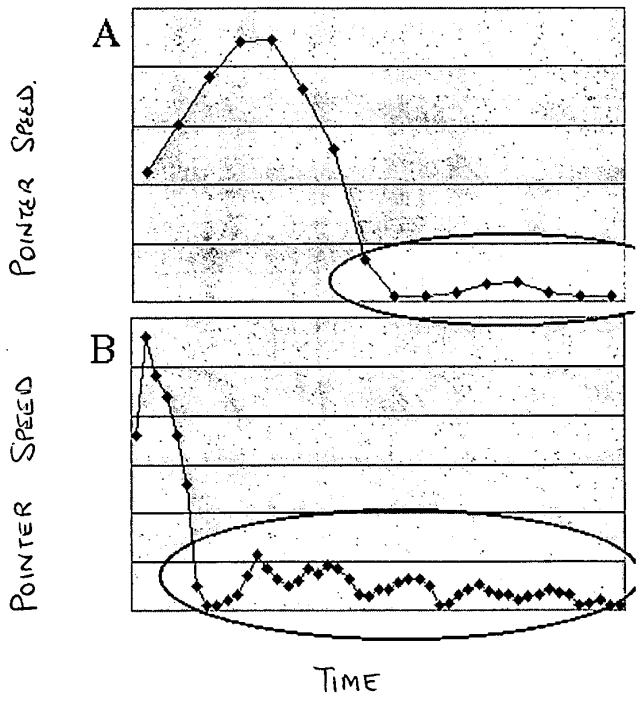

FIG. 5

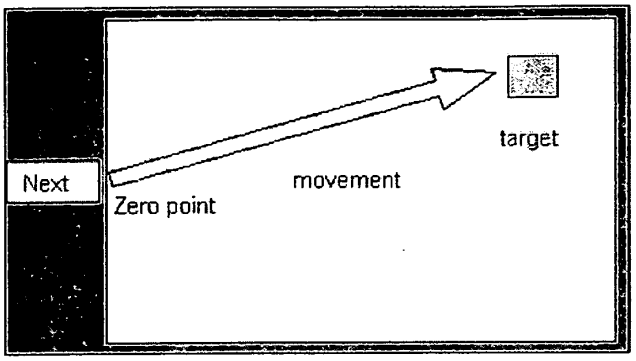
Next
Zero point
movement
target

FIG. 6

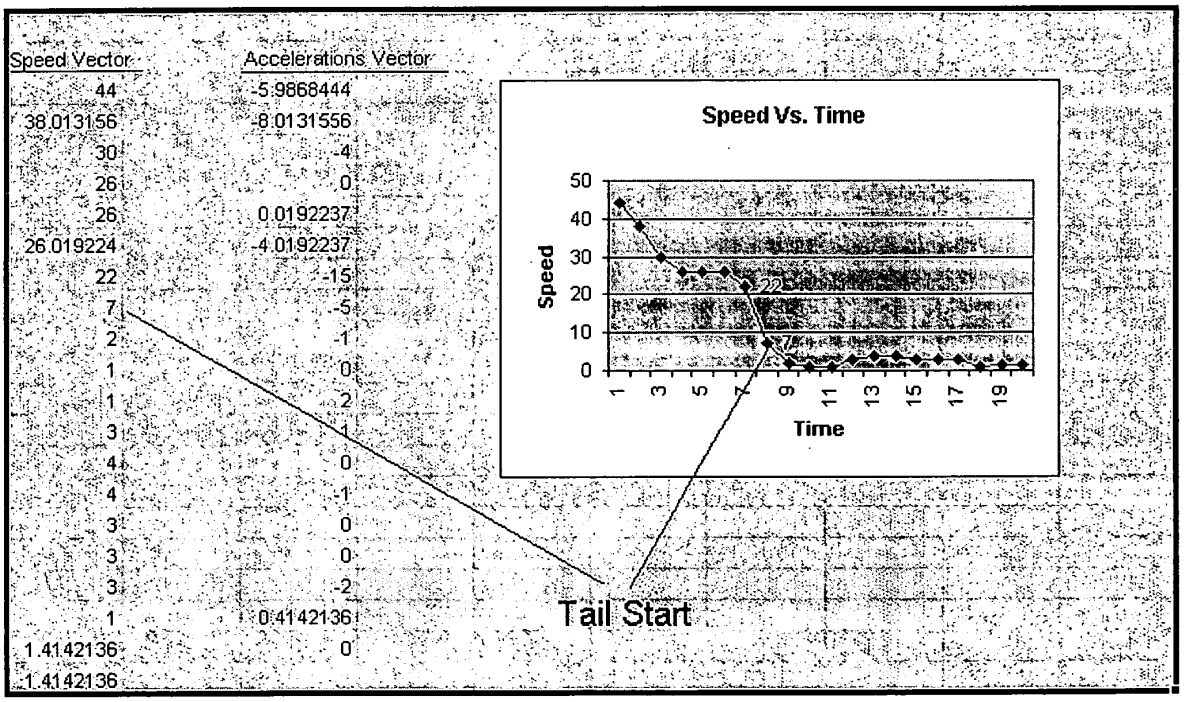
Speed Vector
Accelerations Vector
44
-5.9868444
38.013156
-8.0131556
30
-4
26
0
26
0.0192237
26.019224
-4.0192237
22
-15
7
-5
2
-1
1
0
1
2
3
1
4
0
4
-1
3
0
3
0
3
-2
1
0.4142136
1.4142136
0
1.4142136
Speed Vs. Time
Speed
Time
Tail Start

FIG. 7

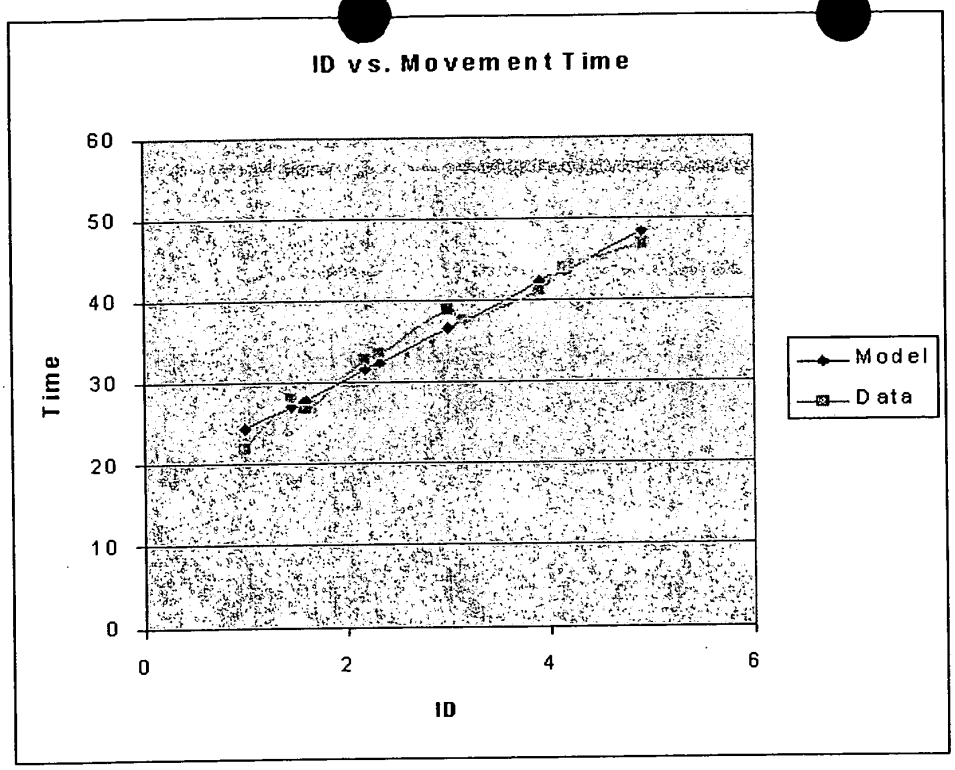
ID vs. Movement Time
Time
60
50
40
30
20
10
0
0
2
4
6
ID
Model
Data

FIG. 8

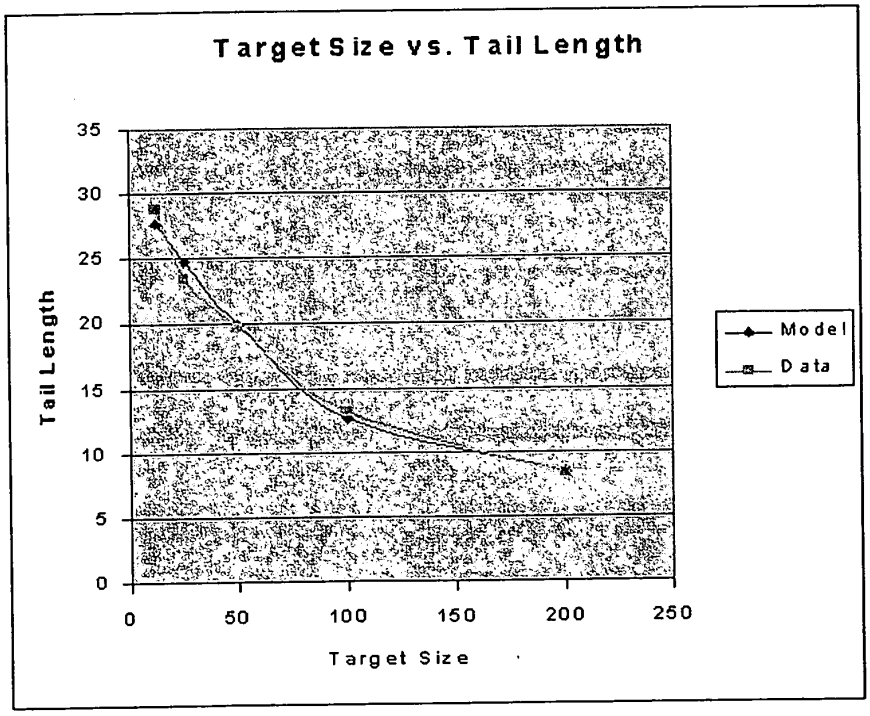
Target Size vs. Tail Length
Tail Length
35
30
25
20
15
10
5
0
0
50
100
150
200
250
Target Size
Model
Data

FIG. 9

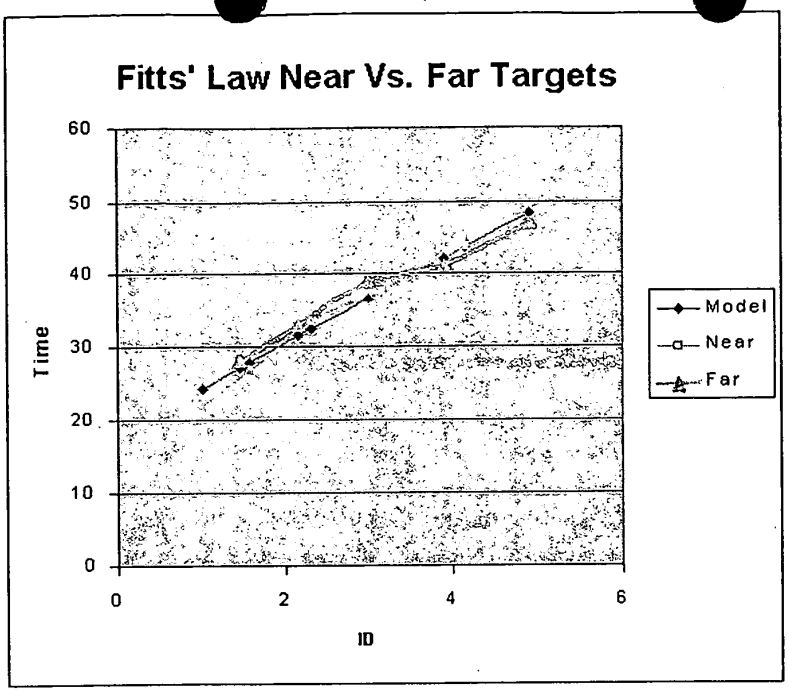
Fitts' Law Near Vs. Far Targets
Time
ID
Model
Near
Far
0
10
20
30
40
50
60
0
2
4
6

FIG. 10

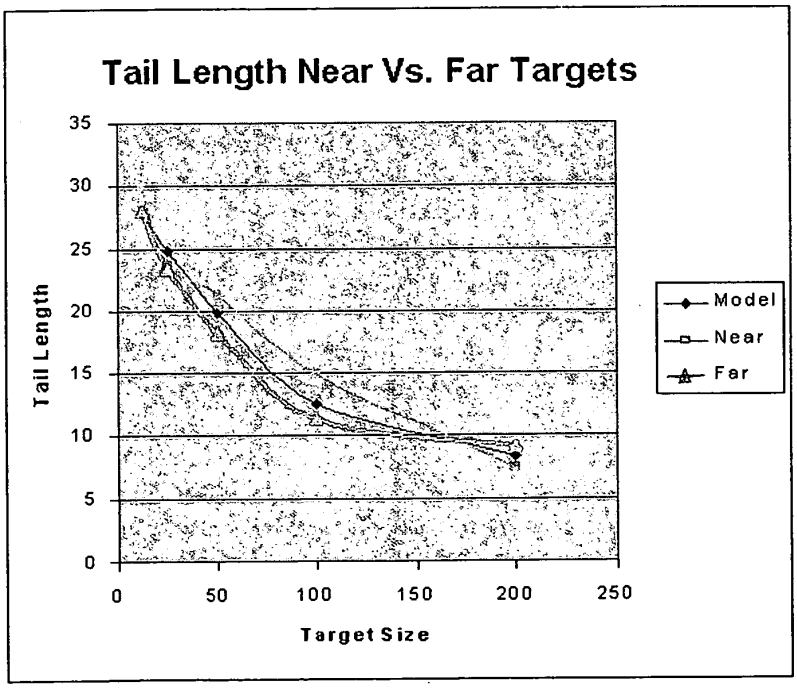
Tail Length Near Vs. Far Targets
Tail Length
Target Size
Model
Near
Far
0
5
10
15
20
25
30
35
0
50
100
150
200
250

FIG. 11

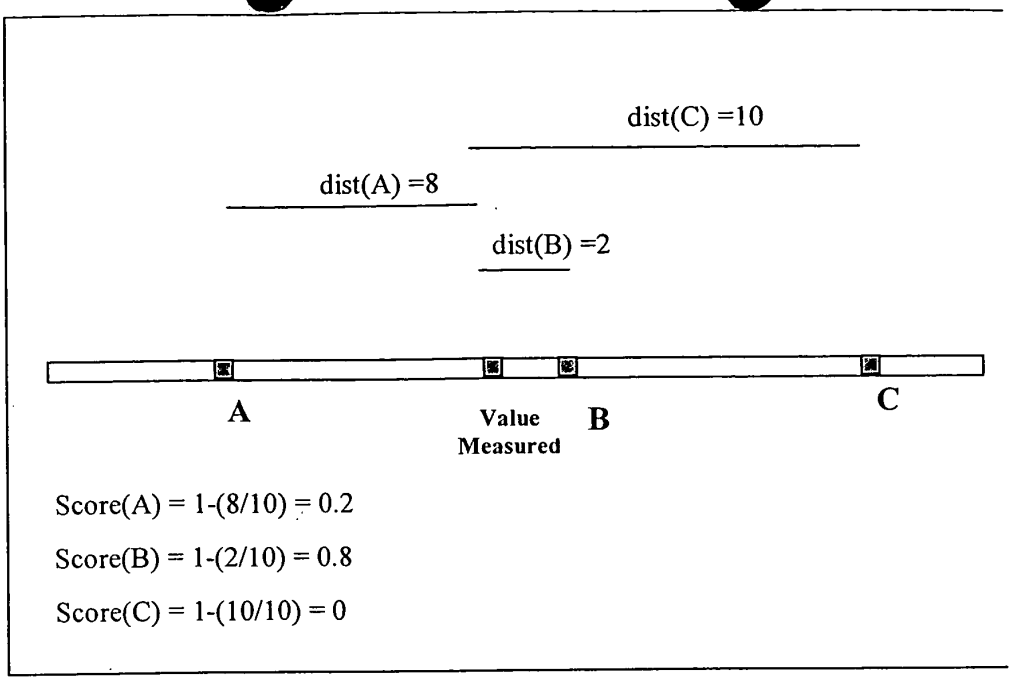
dist(C) =10
dist(A) =8
dist(B) =2
A
Value
Measured
B
C
Score(A) = 1-(8/10) = 0.2
Score(B) = 1-(2/10) = 0.8
Score(C) = 1-(10/10) = 0

FIG. 12

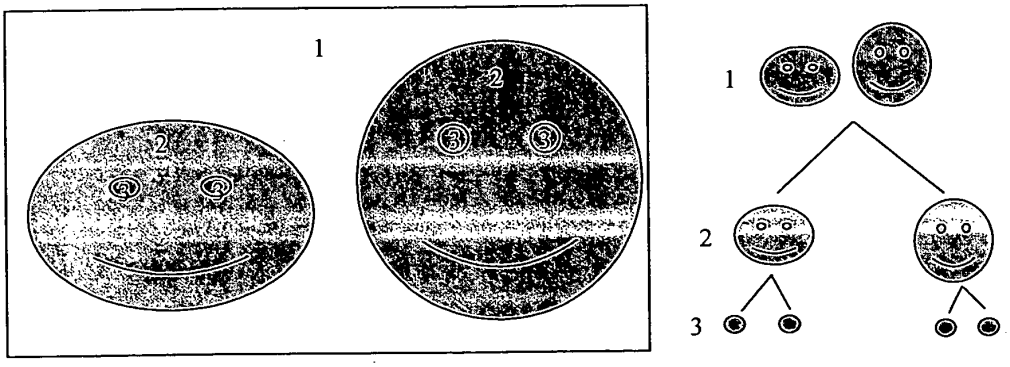
1
2
3
1
2
3

FIG. 13

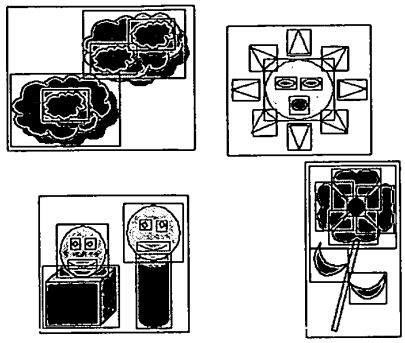

FIG. 14

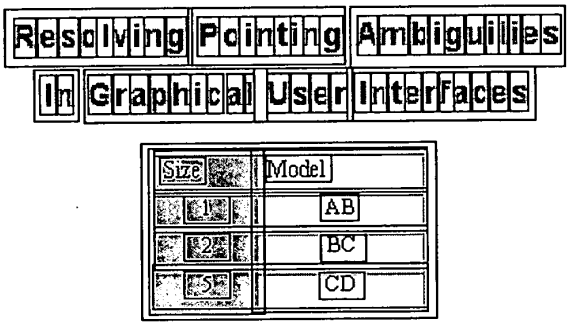

FIG. 15

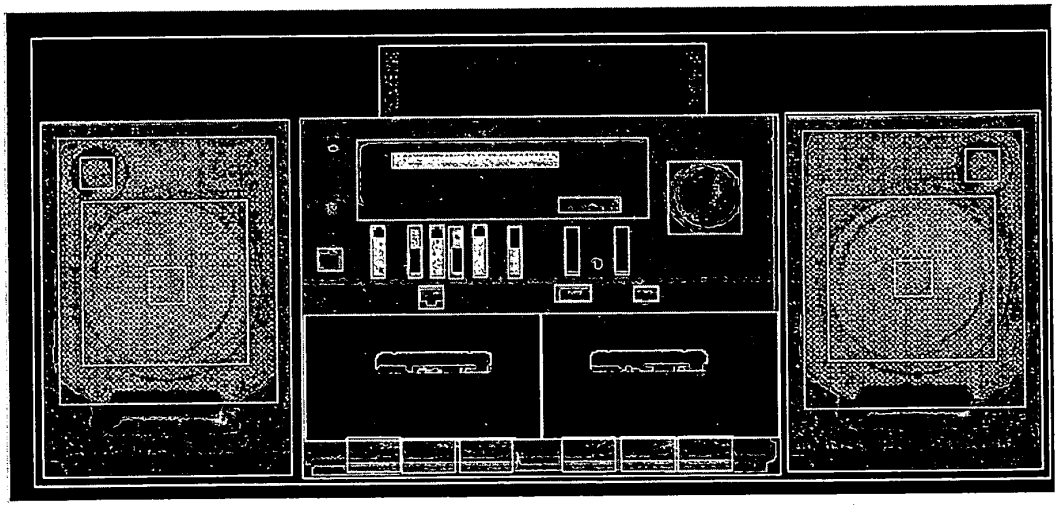

FIG. 16